

## SEQUENCE LISTING

Rec'd PCT/PTO

1 JAN 2002

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LaPointe, Christian F.  
Trustees of Dartmouth College

<120> COMPOUNDS AND METHODS OF IDENTIFYING COMPOUNDS WHICH  
INHIBIT A NEW CLASS OF ASPARTYL PROTEASES

<130> DC-0134

<140>

<141>

<150> 60/143,355

<151> 1999-07-12

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

<211> 705

<212> DNA

<213> Staphylococcus aureus

<400> 1

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<210> 2

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<212> PRT

<213> Staphylococcus aureus

<400> 2

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Arg Ser Lys Cys Asp Tyr Cys Asn Ser Ser Leu Lys Trp Tyr Glu Leu			
35	40	45	
Met Pro Ile Ile Ser Phe Leu Leu Leu Lys Gly Arg Cys Arg Asn Cys			
50	55	60	
Arg Lys Arg Ile Ser Leu Thr His Phe Leu Gly Glu Thr Phe Ala Leu			
65	70	75	80
Ile Pro Ile Val Phe Ile Lys Tyr Asp Phe Thr Tyr Val Asn Ala Thr			
85	90	95	
Leu Phe Ile Thr Thr Tyr Val Phe Leu Leu Ile Phe Thr Met Thr Asp			
100	105	110	
Ile Thr Ser Leu Met Leu Asp Cys Arg Leu Ile Ile Ile Tyr Cys Ile			
115	120	125	
Val Ser Leu Ser Leu Ser Met Ile Tyr Pro Val Ala Phe Ile Ile Ile			
130	135	140	
Ser Met Thr Thr His Ile Phe Tyr Phe Leu Phe Arg Ala Tyr Ile Gly			
145	150	155	160
Tyr Gly Asp Val Leu Leu Ile Ser Ala Leu Ser Leu Phe Phe Pro Leu			
165	170	175	
Gln Phe Thr Ile Tyr Val Ile Leu Phe Thr Phe Val Ile Ala Gly Leu			
180	185	190	
Val Ala Leu Ile Thr Met Ile Phe Lys Pro Ile Lys Leu Leu Pro Leu			
195	200	205	
Val Pro Phe Ile Phe Ile Ser Phe Phe Ile Asn Ser Leu Phe Tyr Asn			
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&lt;210&gt; 3

&lt;211&gt; 986

&lt;212&gt; DNA

<213> *Vibrio cholerae*

&lt;400&gt; 3

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&lt;210&gt; 4

&lt;211&gt; 253

&lt;212&gt; PRT

<213> *Vibrio cholerae*

&lt;400&gt; 4

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  1              5              10              15

Gly Ser Phe Ser Asn Val Val Ile Tyr Arg Leu Pro Arg Lys Ile Leu
              20              25              30

Leu Lys Asn His Phe Phe Tyr Asp Ile Asp Ser Asn Arg Ser Met Cys
              35              40              45

Pro Lys Cys Gly Asn Lys Ile Ser Trp Tyr Asp Asn Val Pro Leu Leu
  50              55              60

Ser Tyr Leu Leu Leu His Gly Lys Cys Arg His Cys Asp Glu Lys Ile
  65              70              75              80

Ser Leu Ser Tyr Phe Ile Val Glu Leu Ser Phe Phe Ile Ile Ala Phe
              85              90              95

Pro Ile Tyr Trp Leu Ser Thr Asp Trp Val Asp Ser Phe Val Leu Leu
  100              105              110

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Gly Gly Phe Ala Ala Phe Ile Ile Thr Tyr Val Ser Asn Phe Ile Val  
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Arg Leu Phe Lys Arg Ile Asp Val Met Gly Gly Gly Asp Ile Lys Leu  
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Tyr Thr Ala Ile Gly Thr Leu Ile Gly Val Glu Phe Val Pro Tyr Leu  
195 200 205

Phe Leu Leu Ser Ser Ile Ile Ala Phe Ile His Trp Phe Phe Ala Arg  
210 215 220

Val Ser Cys Arg Tyr Cys Leu Tyr Ile Pro Leu Gly Pro Ser Ile Ile  
225 230 235 240

Ile Ser Phe Val Ile Val Phe Phe Ser Ile Arg Leu Met  
245 250